INTEL CORPORATION
3065 Bowers Avenue
Santa Clara, California 95051
(408) 987-8080
TWX 910 338 0026 TELEX 34-6372

October 13, 1983

Mr. Russ Frazer
Engineering Assistant, Water Division
City of Mountain View
231 N. Whisman Rd.
Mountain View, CA 94040

Dear Sir,

Intel discontinued the use of the Intel Mountain View facility as a fabrication plant in December, 1980. Until recently, the building has remained vacant.

In June, 1983, Intel began using the building as a test facility for semiconductors. This type of operation does not involve significant chemical usage.

By November, 1983, Intel plans to start a wafer sort operation at this facility. This operation requires the cleaning of silicon wafers with M-PYROL (as a degreasing agent) and subsequent rinsing.

The M-PYROL baths will be disposed of via 55 gallon steel drums. The carry-over of M-PYROL on the wafers will result in small amounts of M-PYROL being rinsed down a sanitary drain.

Intel is requesting an Industrial Waste Discharge Permit for this one operation.

Thank you for your time and consideration in this matter. If you have any comments or questions, please contact this office at (408) 987-6998.

Sincerely,

Bryan M. Rector

Bryan M. Rector
California Facilities Engineering
Environmental Specialist

cc: B. Sherman
M. Chang
N. Lougee - City of Mountain View

CITY OF MOUNTAIN VIEW

APPLICATION FOR INDUSTRIAL WASTES DISCHARGE PERMIT

No. _____

Date October 13, 1983

A. Name or Organization INTEL MOUNTAIN VIEW TEST FACILITY

Address 365 East Middlefield Rd., Mtn. View, CA

(408) 987-6998
(415) 969-1838
Telephone #

Address of Point of Discharge Same as above

Individual Responsible for Industrial Waste — Name Bryan M. Rector

Signature Bryan M Rector

Attach Map Showing Point of Discharge, Sampling Points, and Waste Treatment Facility

B. Flow Rate: Average <500 gals/day Max. <1000 gals/day Peak Hourly <10 GPM

C. Submit separate statement:

1. Detailing type of industry and nature of products
2. Listing chemicals used and approximate concentrations
3. Describing waste treatment facilities
4. Giving characteristics of exceptional industrial wastes
5. Concerning radioactive wastes
6. Naming organic solvents discharged and concentration at point of discharge

Indicate the point of discharge concentration of the following characteristics and mass emission rates where applicable. * See Attached.

Biochemical oxygen demand (B.O.D.)	_____ mg/l	Grease and oil, total	_____ mg/l
Chemical oxygen demand (C.O.D.)	_____ mg/l	Hydrogen Ion content pH	~6.8
Total Solids, Average	_____ mg/l	Fluoride	0 mg/l
Suspended Solids, Average	0 mg/l	Temperature	~65 °F

	Max. Conc. Allowable mg/l	Allowable Mass Emission Rate kg/day		Max. Conc. Allowable mg/l	Allowable Mass Emission Rate kg/day
Arsenic			Cyanides		
Barium			Formaldehyde		
Beryllium			Lead		
Boron			Manganese		
Cadmium			Mercury		
Chromium Hexavalent			Nickel		
Chromium Total			Phenols		
Cobalt			Selenium		
Copper			Silver		
Cresols			Zinc		

NOT TO BE COMPLETED BY APPLICANT

Permit to Discharge Industrial Wastes in Accordance with This Application Subject to Attached General and Specific Conditions

_____ Date _____

Maintenance Director

Permit to Discharge Exceptional Industrial Waste Approved

List Details:

_____ Date _____

Maintenance Director

MD-6A (1-83) DIST: Original - File: Copy - Discharger: Copy - Water Quality Control Plant

INTEL INDUSTRIAL WASTE DISCHARGE PERMIT

ATTACHMENT 1

C.

1. The industry is semiconductor, SIC #3674.

2. M-PYROL (N-Methylpyrrolidone). See attached Material Safety Data Sheets.

3. The previous acid neutralization system was removed from this site in December 1981; therefore, there is no waste treatment system for this waste stream.

4. See attached Material Safety Data Sheets and the GAF Corporation specifications.

5. Not applicable.

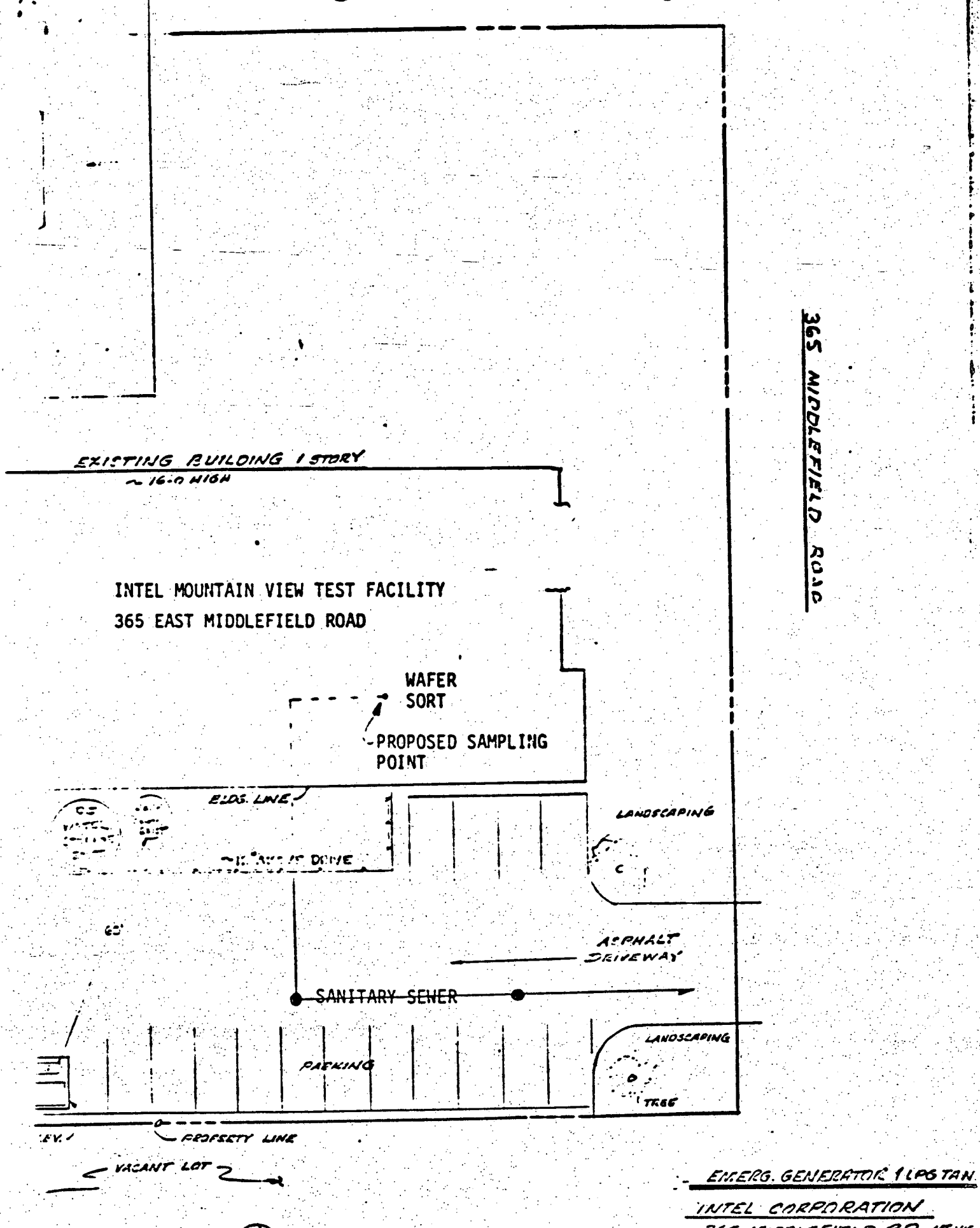
6. N-Methylpyrrolidone (M-PYROL). The estimated volume of M-PYROL that will be rinsed down the sanitary drain is:

   7000 wafers/month ÷ 30 wafers/BOAT X 10 ML M-PYROL/BOAT

   = 2333 ml/mo. = 0.62 gal. M-PYROL/14,000 Gal. water = 44.3PPM*

   * Once operations start grab/composite sampling will be started to confirm this estimate.

   No other chemicals are expected in this waste water stream.



EMERG. GENERATOR 1 LPG TAN

INTEL CORPORATION

365 MIDDLEFIELD RD. MTVIE